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	10	20	30	40	50
GFP	MSKGEEL	FTGVVPI	LVLELDG	VDVNGHKE	SVSGEGEG
phiYFP	--S-AL-	H-KI-YV-	ME-N-D--	T-IR-K-Y-	SV-VDAQ-
hydr1GFP	MT-T-QKKL	YKT---	D-OT-K-I-	V---T-VTEG	YV-E-EV
hm2CP	-EG-PA-	QSDMTEKIFL	-V-DQ-	TTIAD-SSKFPH	DENVHAV-E---

	60	70	80	90	100	110
GFP	LVTTFSYGV	QCESRY	PDHMKQH	DEEKSAM	PEGYVQERT	TFEKDDGNYK
phiYFP	---LT---	A---AK-	GPELK...	Y-C---	T-EG--VF-	T---T-NGS
hydr1GFP	-I-SL---	AK-V---	NEIN...	TF-S-H---	K-TYEN--	VIE-A-KITM
hm2CP	ICHLIQ---	EPF-AK-	NGIS..H	AQECE---	ITID--VR-	EN--TMTSHHTYELD

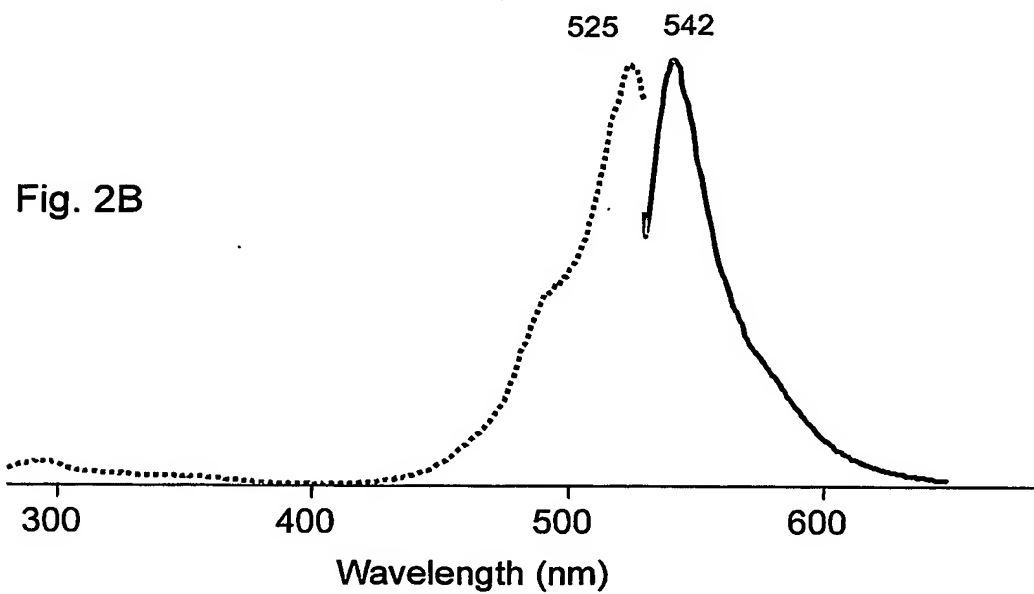
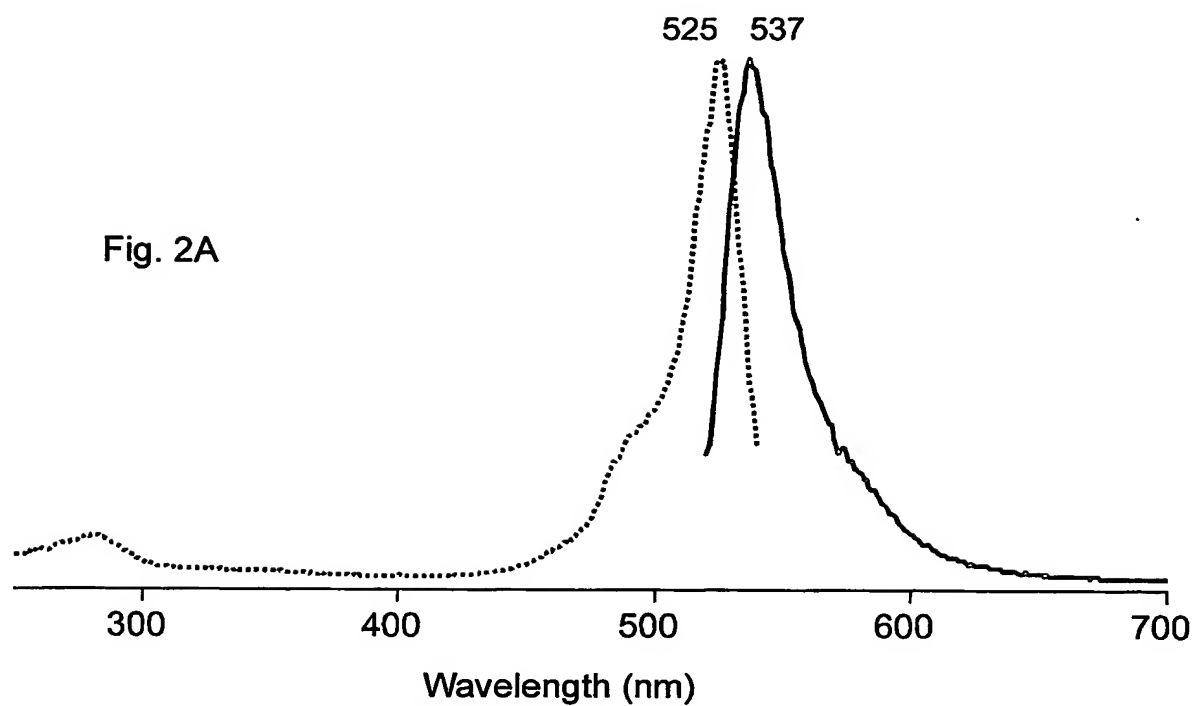
	120	130	140	150	160	170
GFP	IVNRRIELK	GIDFKED	GNILGHKLE	YNYNSHN	MYTMADKQ	KNGIKVNEKIR
phiYFP	VY--VK-N-	QG--K--	HV--KN--	F-FTP-CH-	WG-QANH-L-	SA--M-E-TGSKEDFIV
hydr1GFP	I---NV-	TG-DK--	HVCQKN--	SSPP-TTYVV...	PEGE--RTIYRN	IYPTK--HYVV..
hm2CP	VIS--ITVNC	DG-QP--	P-MKDQ-	VDILPTETH	MEP..HGS-AVRQLGY	GFTTA--GLMM..

	180	190	200	210	220	230
GFP	ADHYQONT	PIGD.GP	VLLPDN	HYLSTQ	SALSKDP	NEKRDHNV
phiYFP	---T-M---	---G---	HV-EY-	HITYHVT---	VTDH--N-S-	V-T-R-VDCRKYTL
hydr1GFP	---IQ-V-	R--RAQ-	TSATY-	HLKSKMD-	T--E-NK--	ITIK-TNC-FDADF
hm2CP	SHEDSKL-	FN-SRAIKI	-GP-FVTMIL	KOM--TSD---	VQR-VTY-	HSVPRITSAI

Fig. 1

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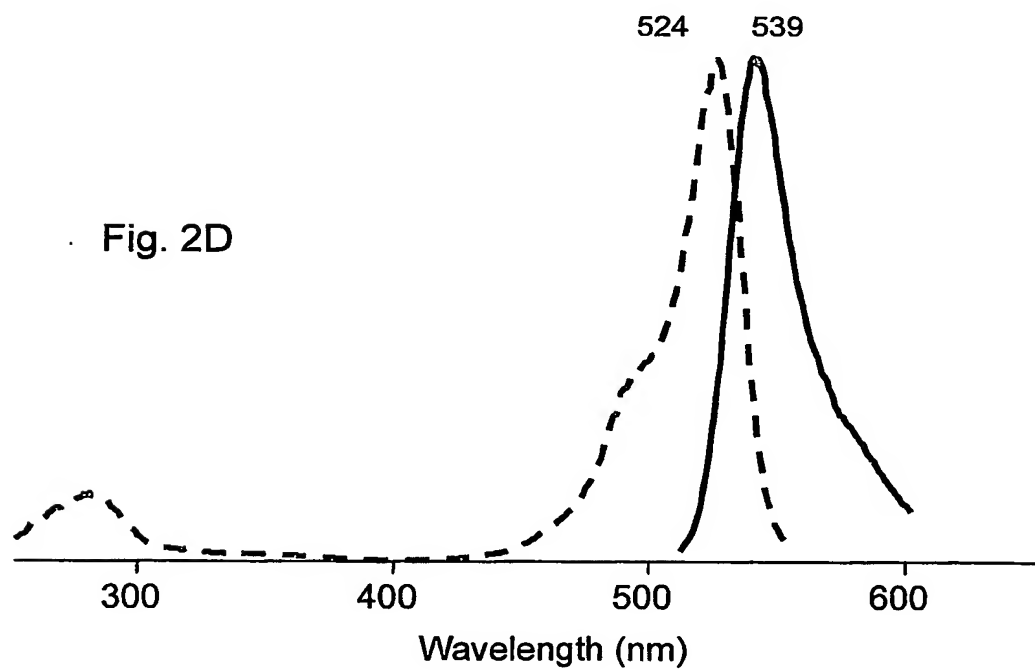
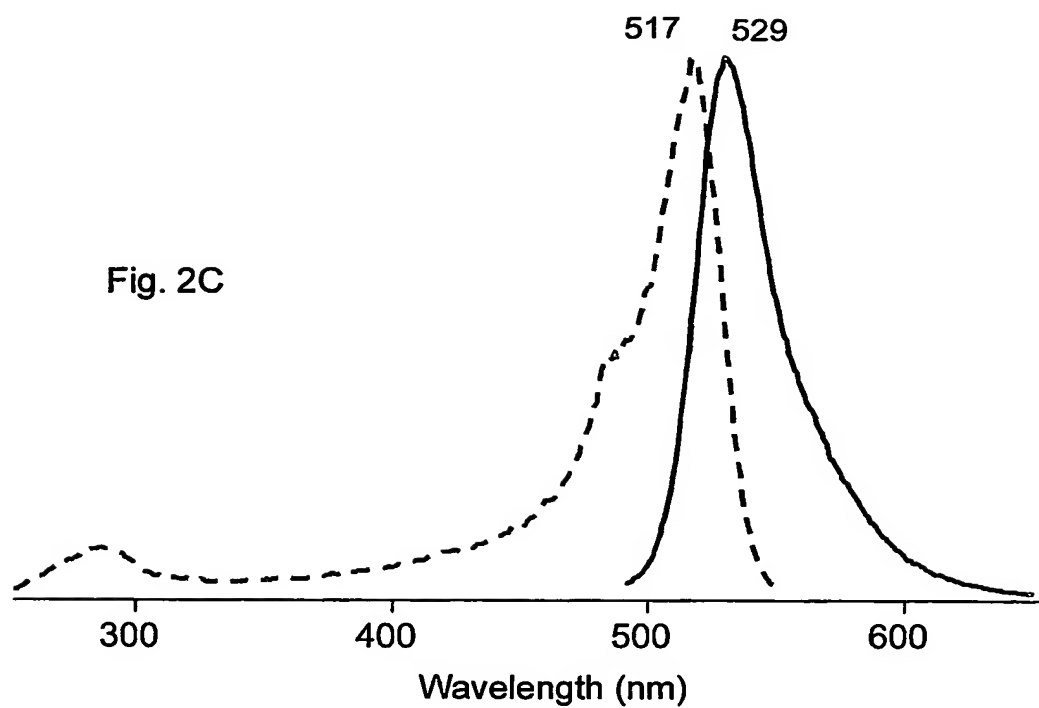


Fig. 2

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Fig.3A

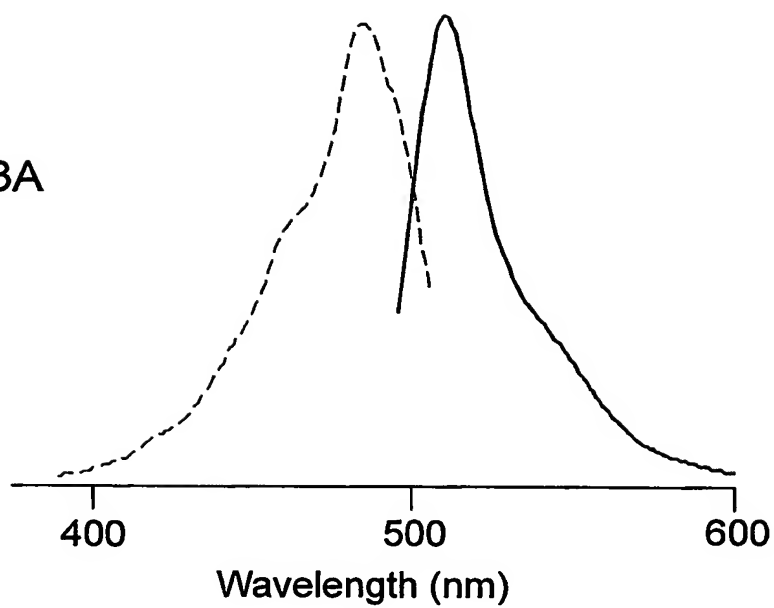


Fig.3B

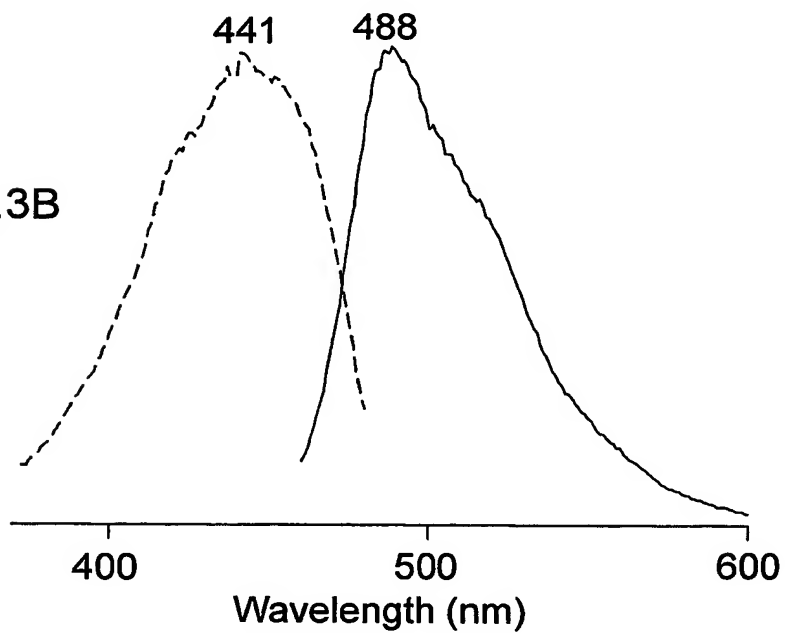


Fig. 3

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Fig.4A

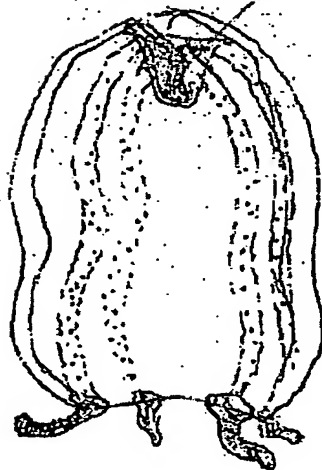


Fig.4B

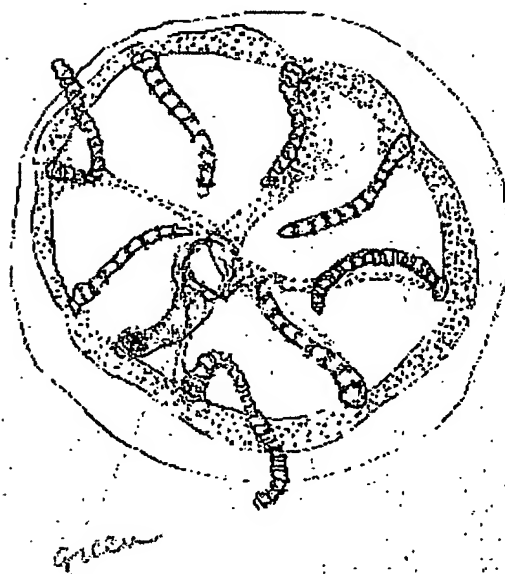


Fig. 4

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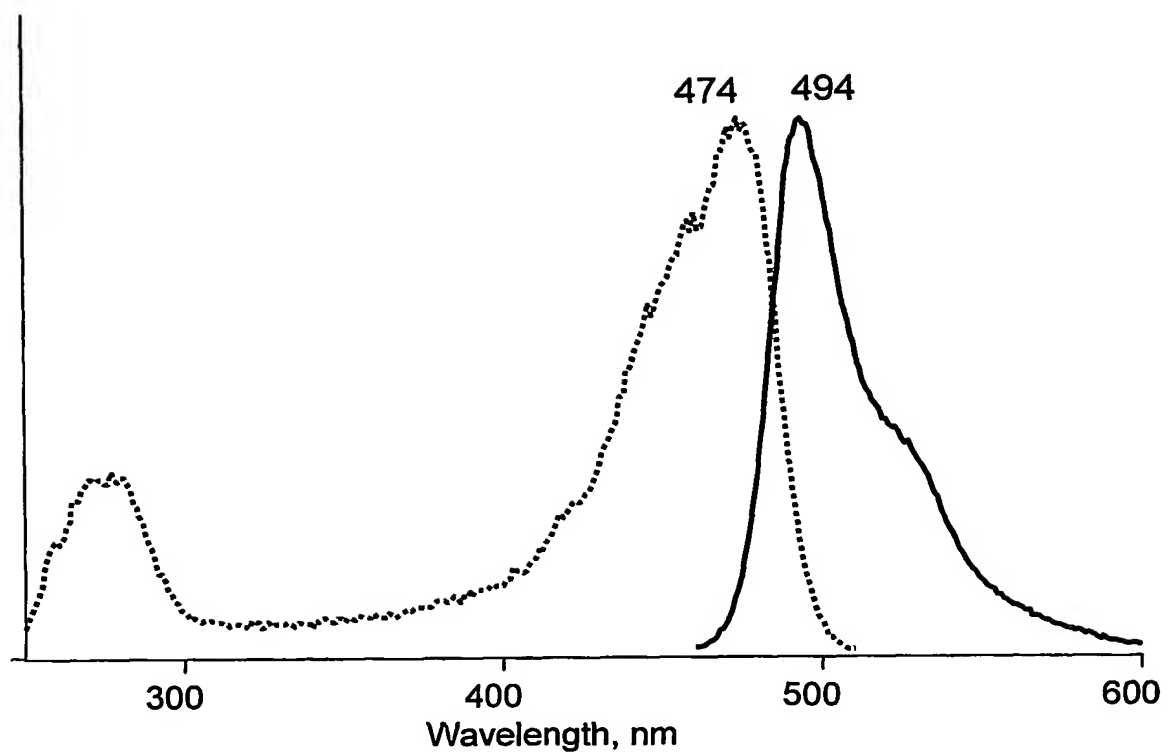


Fig. 5

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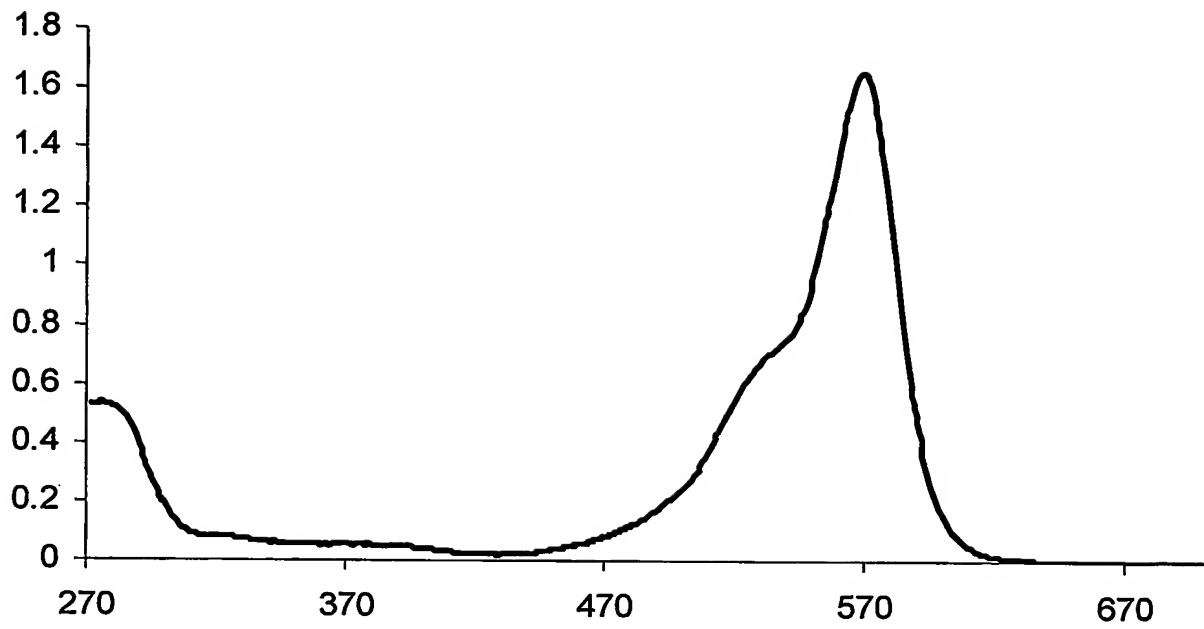


Fig. 6

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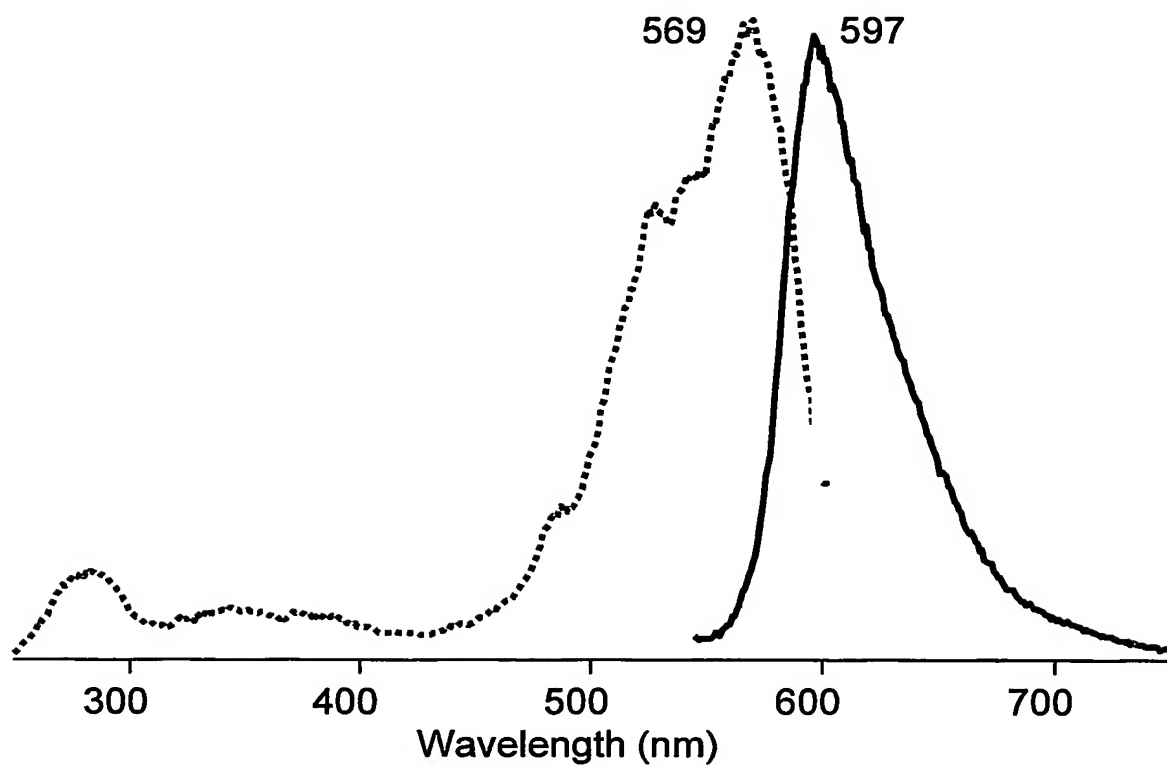


Fig. 7



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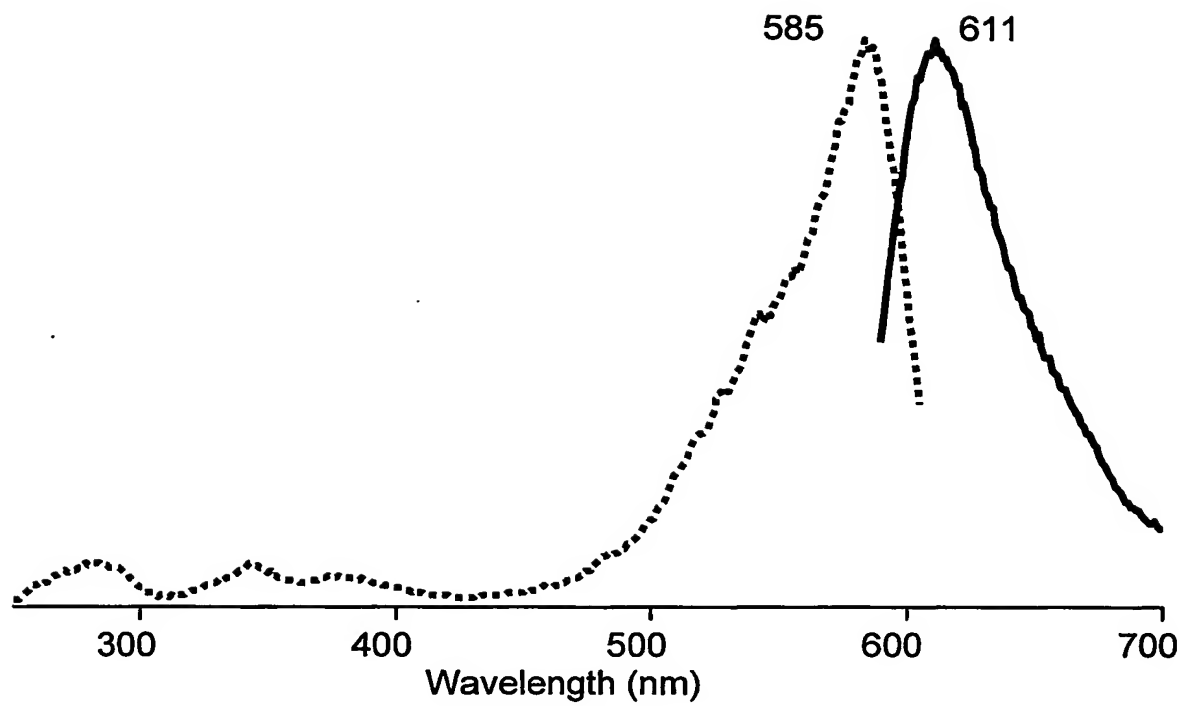


Fig. 8